

# The Deltagram

TRADE

U. S. PAT. OFF.

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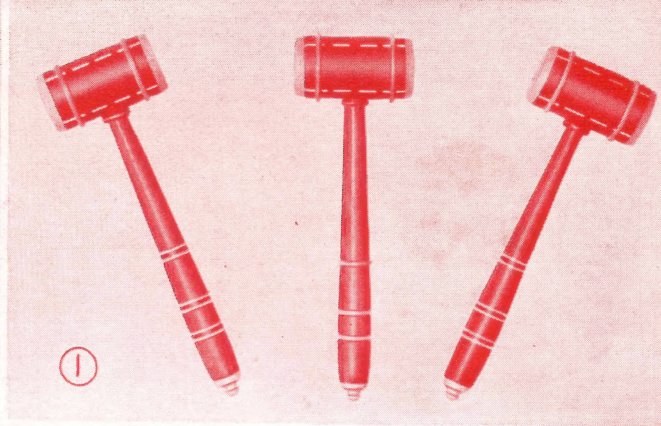
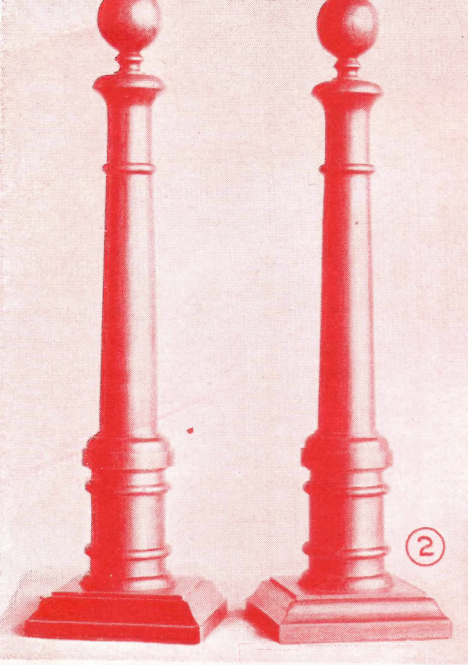
VOLUME SEVENTEEN

*Issue No. 5, 1947, '48*

FIFTEEN CENTS

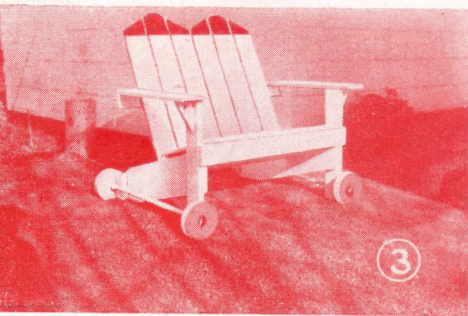
- 
- ★ KITCHEN BAR  
★ WINDOW BOXES  
★ BAR-B-Q CART  
★ SALAD BOARD  
★ OCCASIONAL TABLE  
★ MODERN CHAIR  
★ DESIGNS ★ ETC.





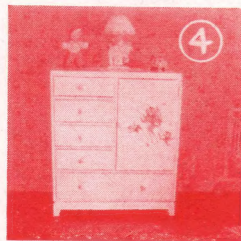
## WITH DELTA CRAFTERS

Photos Nos. 1 and 2 show some of the handiwork of 73-year old H. W. Stedman of Dakota, Minnesota. He says the design of the columns is a crude representation of some ancient Grecian architecture.

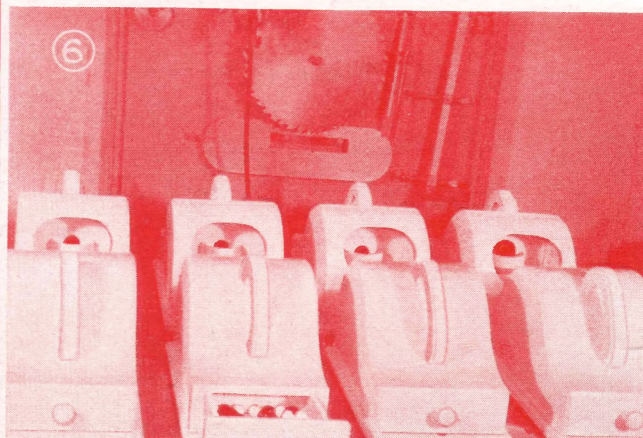


Eight-year old son of R. MacCormicks of Denver, The "Double Scooter Lawn Seat" (Photo No. 3) made by Leonard Reckling of Grand Island, Nebraska. Three-quarter-inch pipe was used for the axles. Makes it very easy to move around the garden.

Mr. Ronald Klug of Milwaukee, Wisconsin, has added another piece of furniture to the nursery (Photo No. 4). This Child's Wardrobe appeared in Issue No. 3 Volume No. 17 of the Deltagram.



Colorado, is working on his personal workbench (Photo No. 5), half the size of his dad's shown in the background. The eight white objects in Photo No. 6, are called secret ballot boxes which he designed for the local ladies fraternal clubs and lodges.





# The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

★ A MAGAZINE FOR CRAFTSMEN

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★ E. G. HAMILTON - MANAGING EDITOR

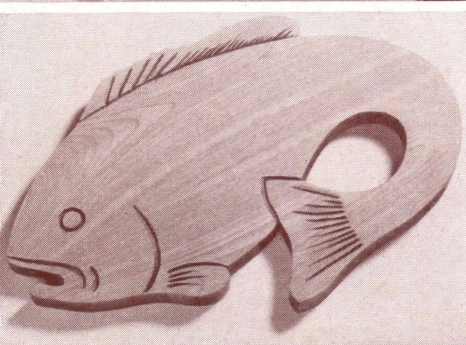
A. M. WARKASKE - TECH. EDITOR

VOLUME SEVENTEEN

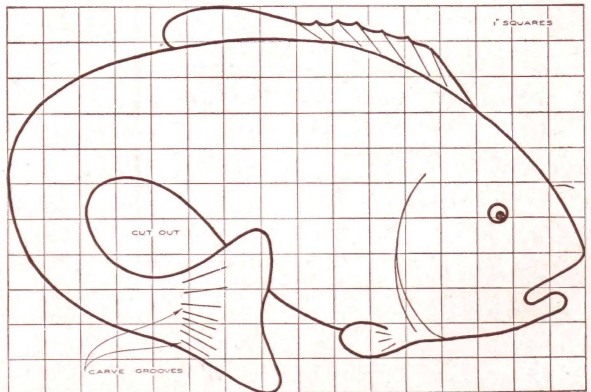
Issue No. 5, 1947, '48

FIFTEEN CENTS

## SALAD BOARD



☆ Here is a convenient and novel design in a cutting board. A portion of the design formed by the tail of the fish curved back against its body, is cut out so that the chopped vegetables may be scraped off through the opening into the mixing bowl as shown in the photographs. The board is sawed out on the scroll saw from  $\frac{3}{4}$ " birch or maple lumber. Enlarge the drawing to full scale and transfer to the stock. Layout the inside lines and carve in the relief design with a "U" shaped carving chisel. Sand smooth and break all sharp edges. Paint the depressions made in carving, with green enamel. After this has dried, rub the board with several coats of pure olive oil.







**Design by**  
**WALTER O. CAVE**

☆ This piece of furniture is really beautiful when built from cherry or mahogany and stained a deep red-brown color. It has the charm and styling for those who prefer period furniture.

The top space is actually a drawer and the lower compartment door is built to give the appearance of two additional drawers.

The top wing sections are waste space but the space below these wings makes neat shelves on which to display various figurines, etc.

The top and bottom wing sections are band sawed to shape from solid stock and a face veneer is required to match these with the drawer fronts.

In building a piece of furniture of this kind, selecting the lumber and veneers to be used and matching the grain is as important as the craftsmanship.

## Build This RECORD CABINET

### BILL OF MATERIAL

8 Frames for Base and Top.....	2½"x 3¾"x 9½"
4 Frames for Top, etc. ....	2" x 3¾"x 12"
2 Base Frame Boards .....	¾"x 3¾"x 18½"
2 Base Board Top Boards .....	¾"x 19" x 37½"
1 Lower Top Board.....	¾"x 17¾"x 36½"
2 Shelves .....	¾"x 9¾"x 17¾"
4 Upright Posts .....	1" x 1¾"x 9⅞"
2 Sides .....	¾"x 17¾"x 20¼"
1 Back Panel .....	¼"x 18" x 25¾"
1 Door .....	¾"x 17" x 19¾"
1 Drawer Front .....	¾"x 3¾"x 18"
1 Drawer Back .....	½"x 3¾"x 16¾"
2 Drawer Sides .....	½"x 3¾"x 16¼"
1 Drawer Bottom .....	¼"x 16" x 16¾"
2 Drawer Guides .....	½"x ¾"x 13"
2 Top and Bottom Boards for Record Compartment .....	½"x 13½"x 17"
2 Sides .....	½"x 13¼"x 13½"
5 Panels .....	¼"x 13¼"x 13½"
Dowel .....	5/16" dia. x 24"







# KITCHEN SNACK BAR

☆ A practical addition to any modern kitchen is a combination snack bar and work table. When placed convenient to the range and sink, the work table will save endless steps in preparing meals. The top should be made from maple or birch at least  $1\frac{1}{8}$ " thick. The balance of the cabinet and base may be constructed from fir or pine since it is to be enameled.

The doors and drawer fronts have projecting lips and the doors require offset hinges (see drawing for details). Other hardware such as door and drawer pulls should be bright chrome and can match the range or other kitchen cabinets.

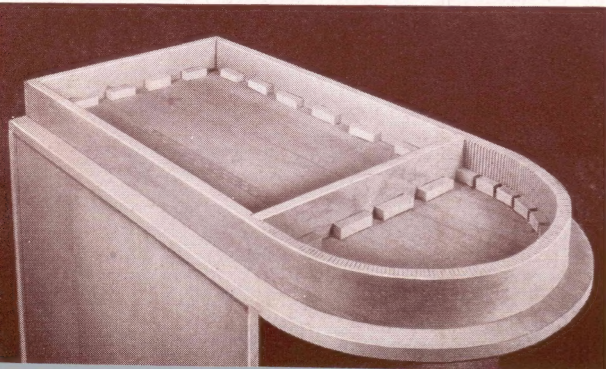
The base is painted black and the balance of the cabinet white enamel. The top is treated with several coats of pure olive oil—well rubbed into the grain.

The radio is pleasant for the lady of the house to have convenient since she spends so much time in the kitchen. This space can be made into a drawer if you prefer.



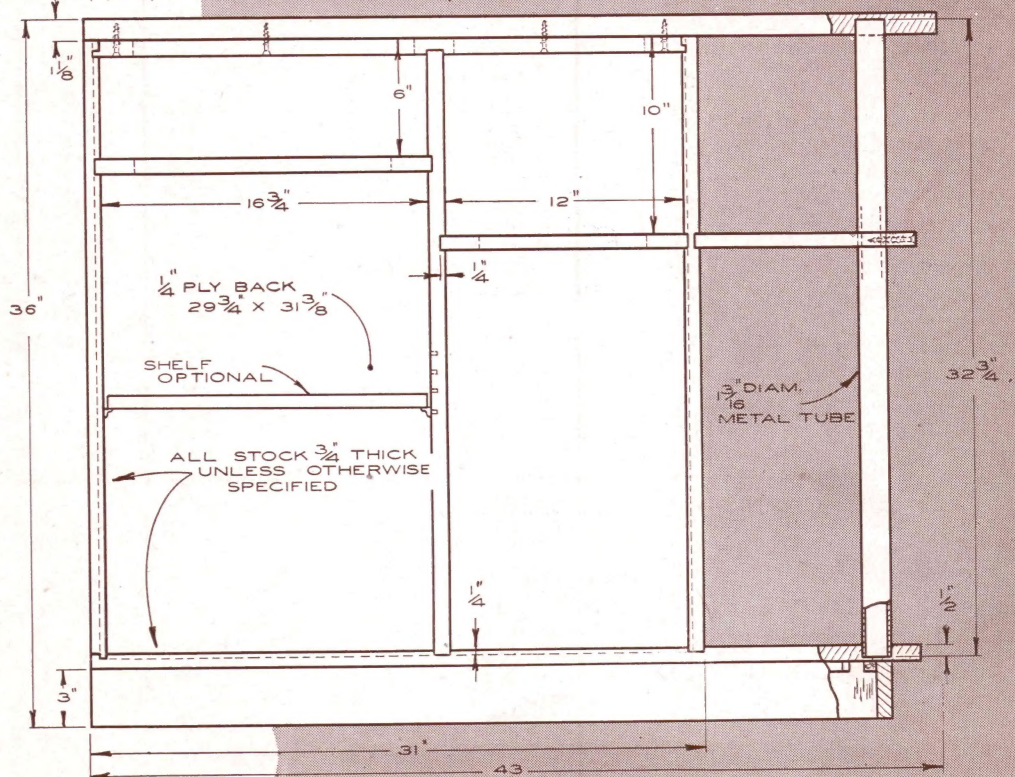
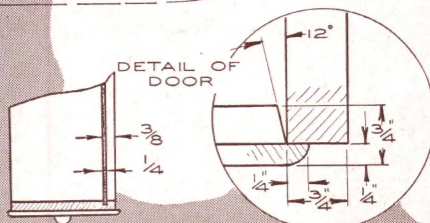
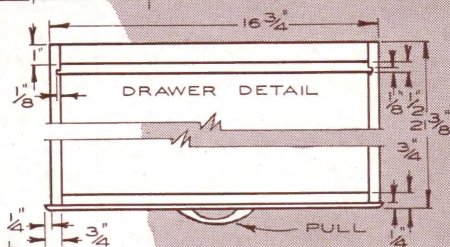
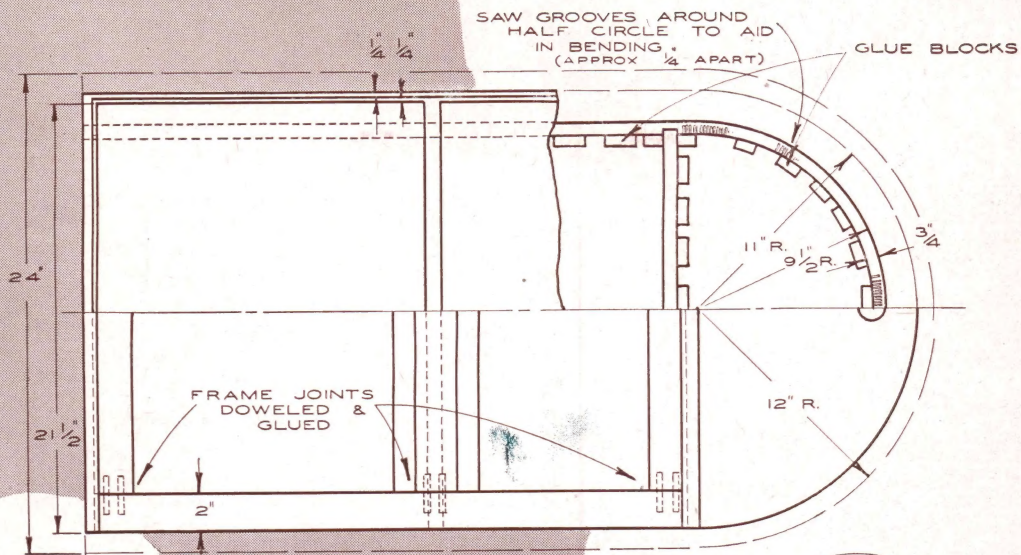
## BILL OF MATERIAL

1 Base Frame	$\frac{3}{4}$ " x 3"	x 92"
1 Base Board	$\frac{3}{4}$ " x 22"	x 42"
2 Base Frame Spacers	$\frac{3}{4}$ " x 3"	x 19 $\frac{1}{2}$ "
2 Sides	$\frac{3}{4}$ " x 24"	x 31 $\frac{3}{8}$ "
1 Center Partition	$\frac{3}{4}$ " x 24"	x 30 $\frac{7}{8}$ "
1 Shelf	$\frac{3}{4}$ " x 11 $\frac{1}{4}$ "	x 22"
1 Drawer Support Frame Front	$\frac{3}{4}$ " x 2"	x 17 $\frac{1}{4}$ "
1 Drawer Support Frame Back	$\frac{3}{4}$ " x 2"	x 13 $\frac{1}{4}$ "
7 Frame Sides for Radio Support, etc.	$\frac{3}{4}$ " x 2"	x 19 $\frac{1}{2}$ "
1 Radio Support Frame Front	$\frac{3}{4}$ " x 2"	x 12 $\frac{1}{2}$ "
1 Radio Support Frame Back	$\frac{3}{4}$ " x 2"	x 8 $\frac{1}{2}$ "
1 Top Support Frame Front	$\frac{3}{4}$ " x 2"	x 30"
1 Top Support Frame Back	$\frac{3}{4}$ " x 2"	x 26"
1 Top Board	1 $\frac{1}{8}$ " x 24"	x 43"
1 Metal Tube or Wood Dowel	1-3/16" dia.	x 32 $\frac{3}{4}$ "
1 Back Panel	$\frac{1}{4}$ " x 29 $\frac{3}{4}$ "	x 31 $\frac{3}{8}$ "
1 Door	$\frac{3}{4}$ " x 17 $\frac{1}{4}$ "	x 24 $\frac{7}{8}$ "
1 Door	$\frac{3}{4}$ " x 12 $\frac{1}{2}$ "	x 20 $\frac{7}{8}$ "
1 Radio Panel	$\frac{3}{4}$ " x 12 $\frac{1}{2}$ "	x 9 $\frac{3}{4}$ "
1 Radio Mount	$\frac{3}{4}$ " x 12"	x 14"
1 Drawer Front	$\frac{3}{4}$ " x 53 $\frac{1}{4}$ "	x 17 $\frac{1}{4}$ "
2 Drawer Sides	$\frac{1}{2}$ " x 53 $\frac{1}{4}$ "	x 21 $\frac{1}{8}$ "
1 Drawer Back	$\frac{1}{2}$ " x 53 $\frac{1}{4}$ "	x 16"
1 Drawer Bottom	$\frac{1}{8}$ " x 16"	x 20 $\frac{7}{8}$ "
1 Shelf (Optional)	$\frac{3}{4}$ " x 16 $\frac{5}{8}$ "	x 20 $\frac{7}{8}$ "
Dowel	5/16" dia.	x 84"

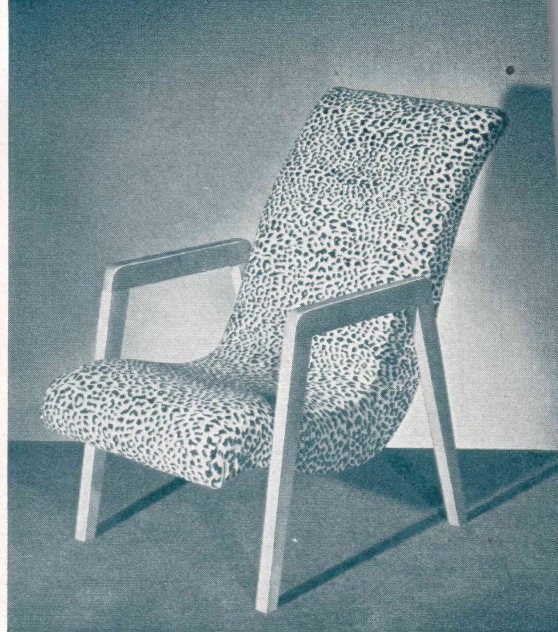


The base of the cabinet is formed by cutting saw slots across the required length of the strip as shown, and then bending this around a form. Glue blocks hold the base frame to the bottom of the cabinet.







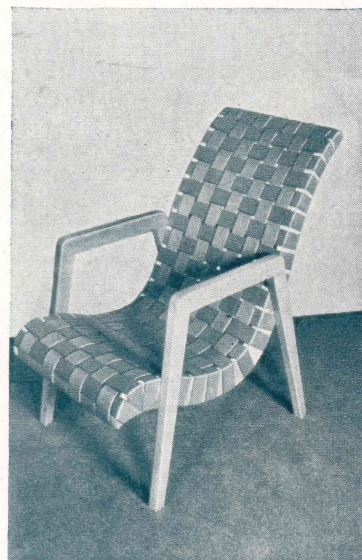


## Modern CHAIR

☆ Actually you can build two chairs almost entirely different in appearance from this one plan. The chair on the right is the completed frame with webbing attached. This makes a modern chair that is comfortable and practical. The webbing in this case should be the outside type, available in various colors in most localities.

The same chair is pictured above with the addition of foam rubber padding and leopard spotted upholstery material to finish it off. The foam rubber material is easy to use and was described in a previous issue.

The small portion of wood left exposed should be finished natural.



### BILL OF MATERIAL

2 Front Legs .....	1 1/8" x 2 1/4" x 22 1/2"
2 Rear Legs .....	1 1/8" x 2 1/4" x 23"
2 Arm Rests .....	1 1/8" x 2 1/4" x 18 1/4"
5 Cross Pieces .....	3/4" x 3" x 20 5/8"
2 Lower Part Seat Sides.....	13/16" x 5" x 20"
2 Upper Part Seat Sides.....	13/16" x 5" x 32"
Dowel .....	3/8" dia. x 32"











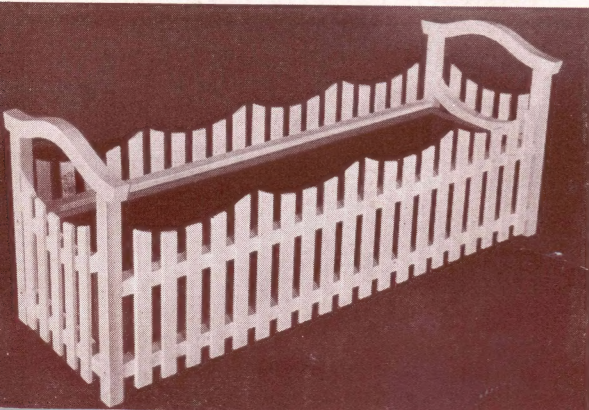
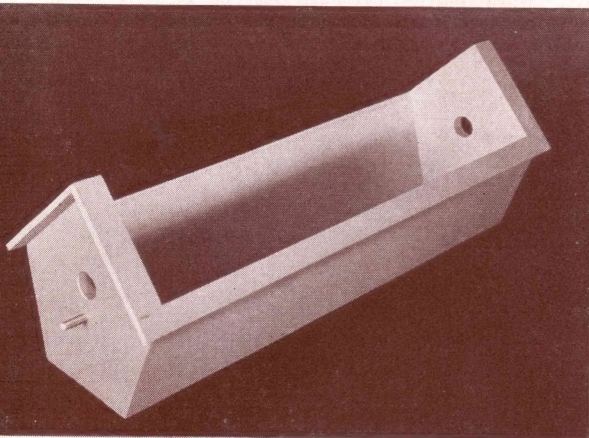
# FLOWER BOXES

☆ There is always room for one more flower box to brighten up the windows or porch rail. Here are two new designs to pick from. Both are built from pine, fir, or any odd pieces you may have around the shop.

A complete box is built and set inside of the picket fence design to hold the flowers. The box was painted dark green and the balance white.

Strips of roofing paper may be added to the edges of the roof in the bird house design for more realism.

Metal pans or liners may be made and inserted to keep the wood from rotting and add to the life of the flower boxes.



## BILL OF MATERIAL

### Picket Fence Flower Box

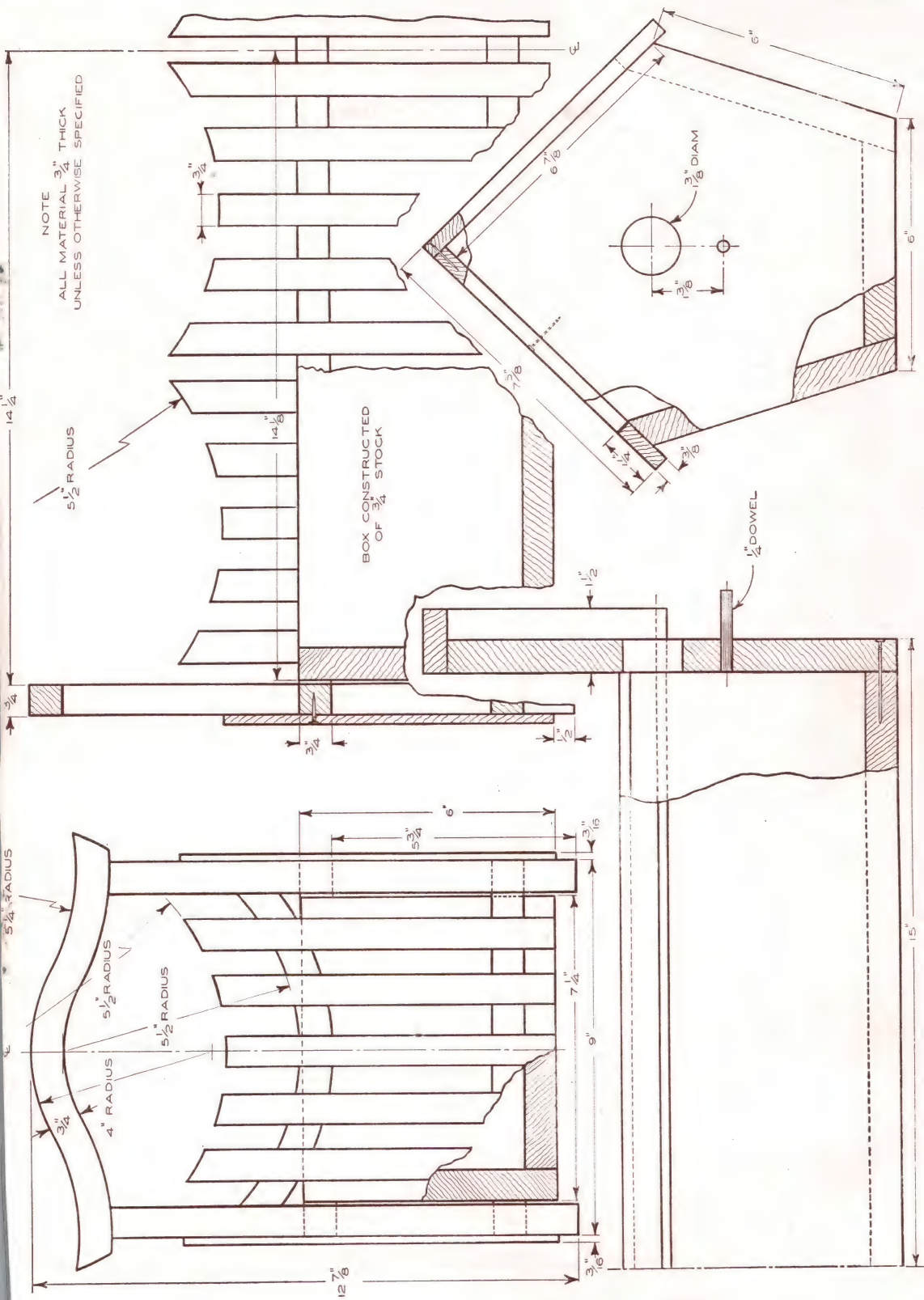
50 Pickets	..... $\frac{3}{16}$ " x $\frac{3}{4}$ " x 9"
4 Uprights	..... $\frac{3}{4}$ " x $\frac{3}{4}$ " x 11"
2 Lower-end	
Cross Pieces	.... $\frac{3}{4}$ " x $\frac{3}{4}$ " x $7\frac{1}{2}$ "
2 Center-end	
Cross Pieces	.... $\frac{3}{4}$ " x $2\frac{1}{4}$ " x $7\frac{1}{2}$ "
2 Upper-end	
Cross Pieces	.... $\frac{3}{4}$ " x 2" x $10\frac{1}{2}$ "
4 Side Pieces	.... $\frac{3}{4}$ " x $\frac{3}{4}$ " x $28\frac{1}{2}$ "
2 Sides—Flower Pit	$\frac{3}{4}$ " x 6" x $26\frac{3}{4}$ "
1 Bottom	..... $\frac{3}{4}$ " x $5\frac{3}{4}$ " x $26\frac{3}{4}$ "
2 Ends	..... $\frac{3}{4}$ " x 6" x $7\frac{1}{4}$ "

## BILL OF MATERIAL

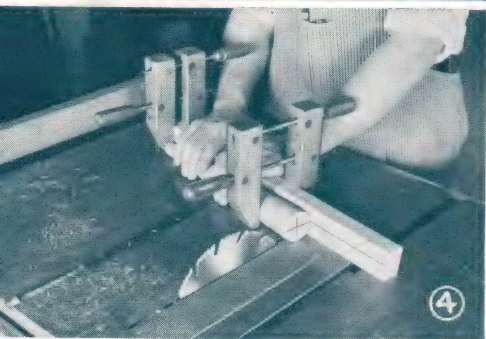
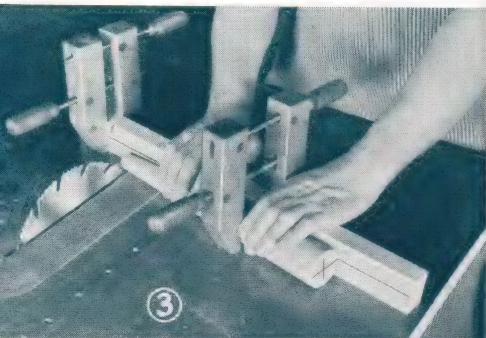
### Bird House Flower Box

2 Sides	..... $\frac{3}{4}$ " x $6\frac{3}{4}$ " x $28\frac{1}{2}$ "
1 Bottom	..... $\frac{3}{4}$ " x 5" x $28\frac{1}{2}$ "
2 Ends	..... $\frac{3}{4}$ " x $9\frac{3}{4}$ " x $10\frac{3}{4}$ "
2 Side Trimming	... $\frac{3}{8}$ " x $1\frac{1}{4}$ " x $28\frac{1}{2}$ "
4 End Trimming	... $\frac{3}{8}$ " x $1\frac{1}{2}$ " x $7\frac{5}{8}$ "
Dowel	..... $\frac{1}{4}$ " dia. x 5"









## Occasional TABLE

☆ A practical dual purpose piece of modern furniture you can build in your own shop.

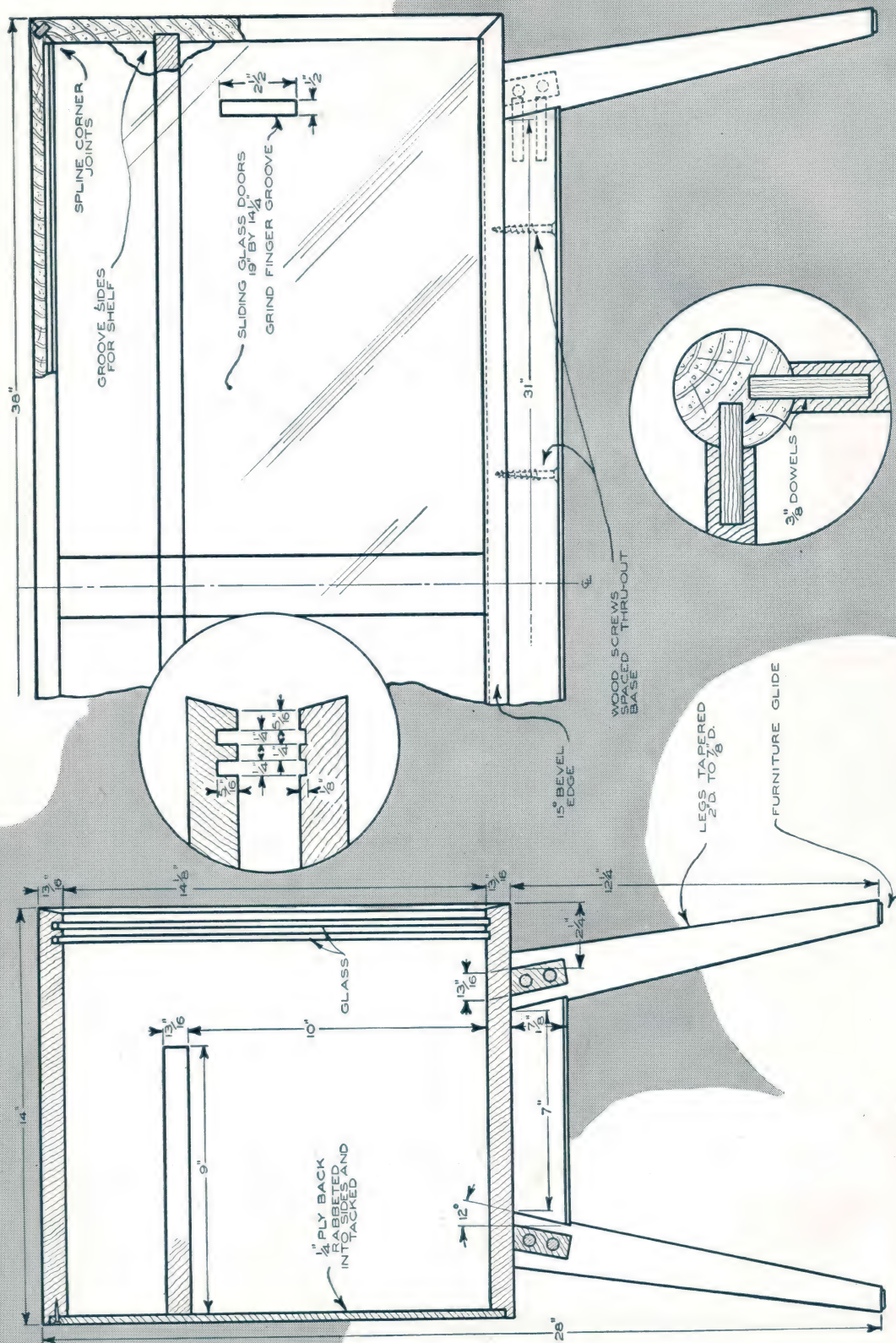
The legs are tapered as shown in the drawing and then cut off by setting the miter gage at  $7^\circ$  and tilting the saw blade to  $7^\circ$ . Center lines are marked on the large end of the turning and a corresponding line on the miter gage fence is kept in alignment with this, so that both ends are cut at the same bevel. See photos 3 and 4. Photo 5 shows the sanding drum used to shape the frame for the tapered legs.

The finish is new and novel. The inside was enameled coral. The outside was first enameled black (one coat) and allowed to dry thoroughly. Flat white was then brushed on and then wiped off across the grain to leave a white filler. This makes a beautiful finish when oak lumber is used. When the white is dry, the table should be waxed.

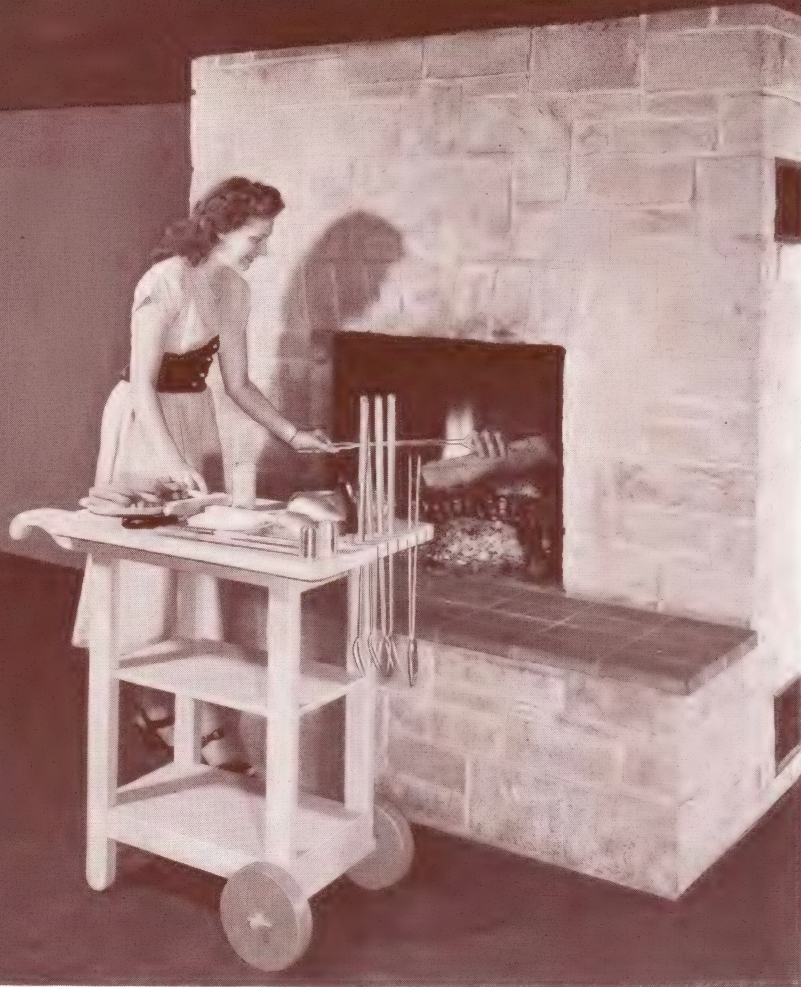
### BILL OF MATERIAL

4 Legs	.....	2"x 2"	x 13"
2 Base Frame			
Side Pieces	.....	$\frac{13}{16}$ " x 2"	x 8"
2 Base Frame			
Pieces for			
Front and			
Back	.....	$\frac{13}{16}$ " x 2"	x 32"
2 Top and Bot-			
tom Boards	.....	$\frac{13}{16}$ " x 14"	x 38"
2 Sides	.....	$\frac{13}{16}$ " x 14"	x 15 $\frac{3}{4}$ "
1 Back Panel	.....	$\frac{1}{4}$ " x 15 $\frac{1}{4}$ "	x 37 $\frac{1}{2}$ "
1 Shelf	.....	$\frac{13}{16}$ " x 9"	x 36 $\frac{3}{8}$ "
2 Glass Doors	.....	$\frac{1}{4}$ " x 14 $\frac{1}{4}$ "	x 19"
Dowel	.....	$\frac{3}{8}$ " dia.	x 50"
Splines	.....	$\frac{1}{4}$ " x $\frac{3}{4}$ "	x 58"









☆ A serving and work cart is handy to have around whether your fire-place is outside or in.

The cart pictured here consists of a doweled framework, two lower shelves and a natural wood table top with rack for various accessories. The top is made from 1 1/8" hard wood lumber treated with pure olive oil.

The accessories consist of several long handled forks, a hamburger and frankfurter holder, and special shakers. A carving set is necessary, of course. The long handled salt and pepper shaker set was turned from aluminum and plastic and plans will be available for them later.

Paint or enamel should be used to finish all except the top of the cart.



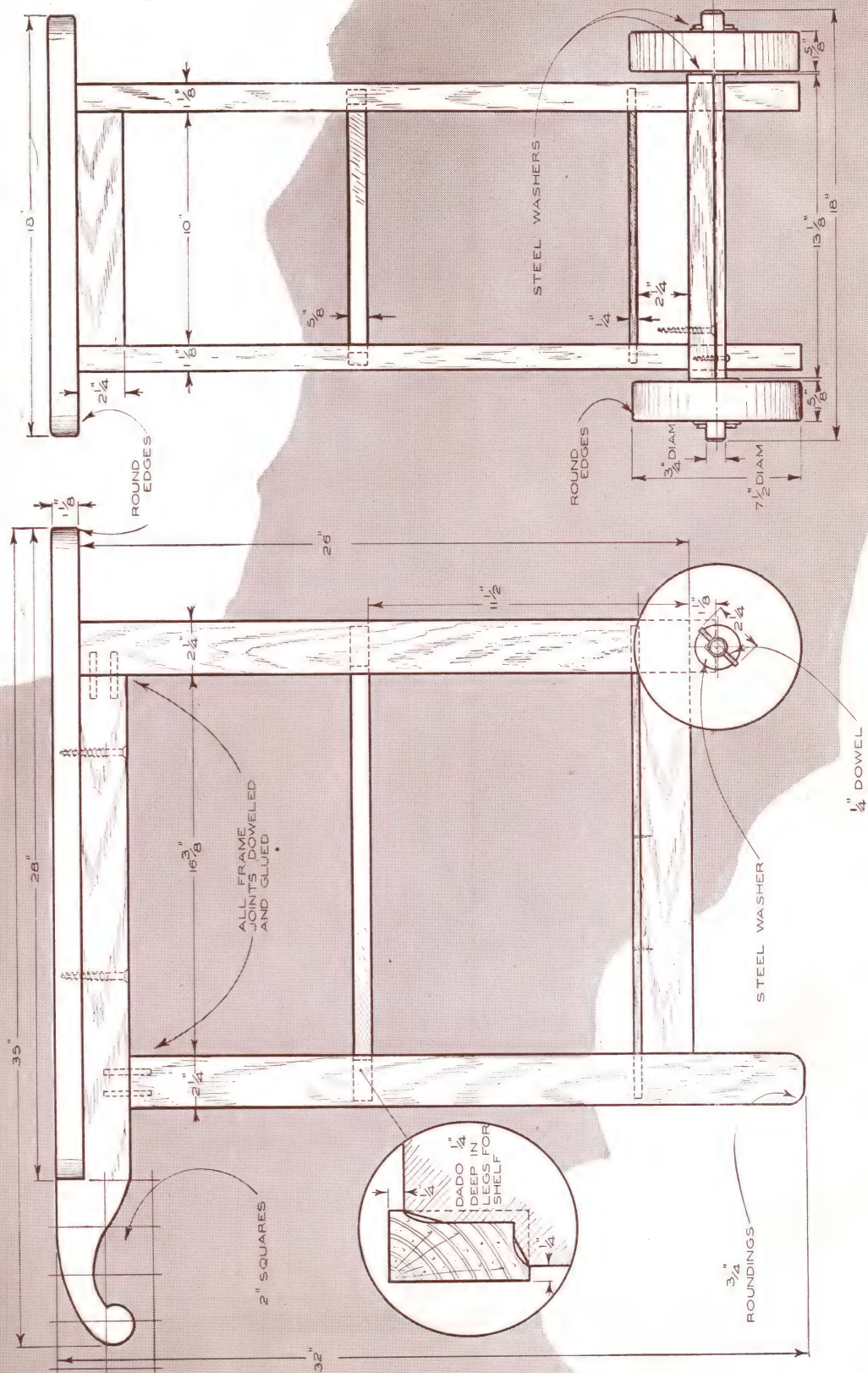
## BAR-B-Q CART

### BILL OF MATERIAL

1 Top	1 1/8" x 18" x 28"
2 Handles	1 1/8" x 3 3/8" x 29"
2 Rear Legs	1 1/8" x 2 1/4" x 28 3/8"
2 Front Legs	1 1/8" x 2 1/4" x 26"
4 Stretchers	1 1/8" x 2 1/4" x 10"
1 Shelf	5/8" x 11 3/4" x 20 3/8"
1 Shelf	1/4" x 11 3/4" x 20 3/8"
1 Axle Support	1 1/8" x 2 1/4" x 13 1/8"
1 Axle	3/4" dia. x 18"
2 Wheels	1 3/8" x 7 1/2" dia.
Dowel	3/8" dia. x 36"









# SALAD BOWL SET

☆ Individual wooden salad bowls are always popular and the set shown here has a rack to hold and display them. Turn the bowls from maple, holding them on the face plate with a scrap wood piece in between, or on the screw center.

Band saw the base to shape and run the moulding around the edge on the shaper or drill press.

Glue in the dowels which hold the bowls in place and turn the knobs for the upper ends.

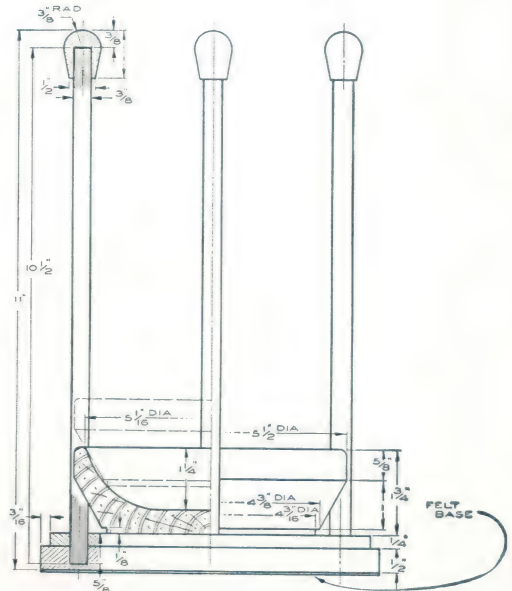
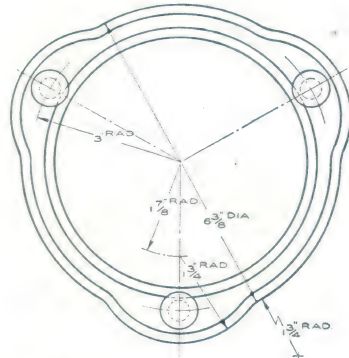


Individual salad bowls turned from maple should be finished by rubbing several coats of pure olive oil into the raw wood. If the oil is pure it should not turn rancid with use.

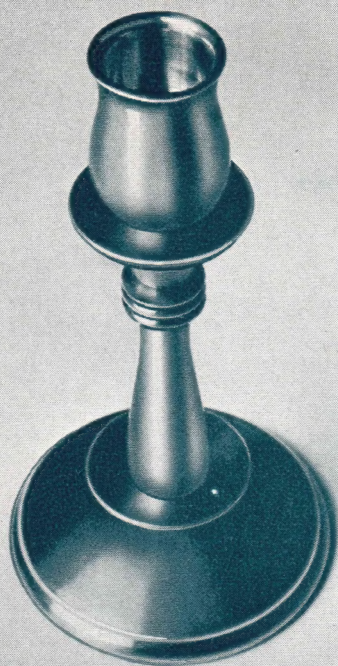


## BILL OF MATERIAL

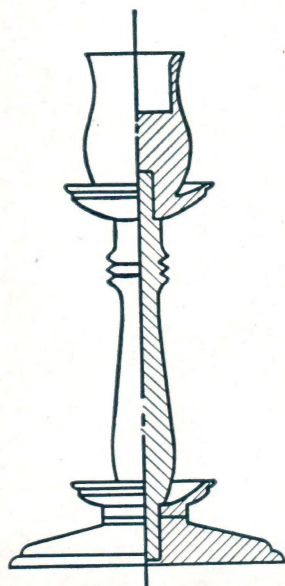
- Salad
- Bowls .....  $1\frac{3}{4}'' \times 5\frac{1}{2}'' \times 5\frac{1}{2}''$
- 1 Lower
- Base .....  $\frac{1}{2}'' \times 7'' \times 7''$
- 1 Upper
- Base .....  $\frac{1}{4}'' \times 6\frac{5}{8}'' \times 6\frac{5}{8}''$
- 3 Dowel
- Supports ..  $\frac{3}{8}''$  dia. x  $10\frac{1}{2}''$
- 3 End
- Turnings ..  $\frac{3}{4}'' \times \frac{3}{4}'' \times 1''$







## Attractive Candle Sticks ***TURNED FROM BRASS***



ONE HALF SCALE

☆ Highly polished brass has a charm which has been popular over many years. It blends well with various styles and periods in furnishings. The candle sticks shown above and in the half-scale drawing below, are easy to turn on your wood lathe. The turning is done with the new carbide tip turning chisels available at your dealers. Turn the various parts from free turning brass round stock and polish with emery cloth, steel wool, and buffing compounds. The finished polish is obtained with canvas buffing wheels. The various parts may be assembled with a press fit or they may be soldered together. Turn a pair for yourself and see how your friends will admire them.



# FLYING CHIPS



## "Deltacraft" A School Shop Project

**Arroyo Grande, California** — Here is a picture of your snappy little "Deltacraft" with re-designed stern built in our high school woodshop.

In this model the stern has been designed to sweep in to the keel with a smooth curve, and the chines have been raised to give a speedier appearance to the boat and to form a smooth joint at the juncture of the bottom and the sides.

You might be interested to know that our high school woodshop has adopted the "Deltacraft" as its standard boat for beginners as well as advanced students. A complete set of plywood templates have been made for all parts including the new two-piece stern, and jigs have been made for holding the frames in position for assembling.

C.E.B.

## Fence Suggestion

**Doniphan, Missouri** — I noticed in Issue No. 6 on the "Flying Chips Page" a question on making fences. May I suggest the Farmers Bulletin No. 1832, which the writer may obtain free from his congressman, or the Farm Fence Handbook, published by the Republic Steel Corporation, 7850 South Chicago Avenue, Chicago, Illinois, would probably answer his questions.

C.C.G.

## Taps and Dies For Wood

**Lakewood, New Jersey** — I am interested in obtaining taps and dies of the type that can be used on wood as I have under construction a project that will require several threaded wooden pegs.

What I have in mind are taps and dies of small diameters with a coarse thread, coarser in proportion to diameter than N. C. threads.

Are such tools available? If so, where can I get these? I would appreciate any information you or your readers could give me on this subject.

E. H. M.

There are a few firms who import the taps and screw boxes from England. These are Joseph Woodwell Co., 201 Wood Street, Pittsburgh, Pennsylvania, and Vonnegut Hardware Co., Indianapolis, Indiana.

## Happiness in His Hobby Shop

**Duluth, Minnesota** — In all fairness to your efforts, it is about time I write my thanks for the Deltagram. It is the most interesting of my shop library. Each issue is a real profit-maker for me. My hobby is a great help in these days of higher living costs.

Must also compliment you on your fine machinery. I received my new band saw last January, and it has already earned its full payment. I don't touch my regular work checks for tools. The ones I have earn each additional new one. I started out that way, and I wish you could see what a hobby can do and buy.

My shop is still in the basement and rust is a sign of neglect to me, and is also a thing I can't tolerate; so two nights a month are devoted to nothing but going over every tool and machine with a thin layer of oil. Tools are a costly investment and I believe any one who can fondly care for a chisel or a plane, etc., like I do will agree they deserve the best of care.

Here is an idea I'm passing on for what it is worth. When I'm through using the band saw, circular saw or the jig saw, I wipe the tables with an oiled rag. Then, I place a piece of cardboard, the size of the table top with a slot to take the blades, and in time the cardboards are soaked like a blotter and no further oiling is required. My tables are as nice as the day the saws were put in use.

Many thanks again for your fine magazine, the Deltagram. I'd never pass it up. At present, I'm working on a toy hook and ladder fire truck for my son. I hope to have it ready for Christmas. If it turns out to be worthy of a picture, I'll send it on to you. Some of my methods are rather unorthodox to a skilled craftsman, but after all the finished results are the ones which count, and it's fun.

B.H.

P.S. The shoe banks (May-June 1945 Deltagram) are still a top item with the ladies as a baby shower gift.

## Preparing Enamel Finish

**Butte, Nebraska** — I have always had trouble sanding enamel undercoats. (I mean a real sanding for a good job and not just a scratch-over.) A good piece of garnet paper is covered in no time with nibs of paint making the paper useless before it is anywhere near worn out. One day, being very disgusted with the results I've been getting, I decided to sprinkle the surface with pumice stone powder and this really worked out fine. The pumice stone cushioned the paper so the scratches were less noticeable and the paper lasted much longer.

D.V.F.

## Rare Issues of The Deltagram

In Issue Number 3, we offered to reprint the Deltagrams way back to 1932 — if enough of you wanted them.

We are happy to say that your response was immediate and encouraging. We were flooded with requests for all three volumes. We, therefore, have given our printers the green light and they have promised to start delivering the books to us by September 15. If you will be patient until that time, we will send the books to you as soon after their printing as possible. Thanks much for your confidence and help.

The Editors.

## Subscriptions

Unless you have a two-year subscription to the Deltagram, the next issue will be your last. Watch for the subscription and act immediately so that you will not miss any of the Fall issues.



# DESIGNS

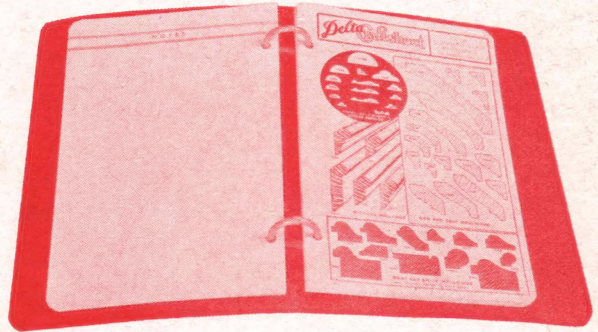
These are full size drawings which can be easily traced directly on the material to be cut. Paint the material with a flat coat of paint before drawing the design.







## DELTA CRAFTSHEETS AND BINDERS



—a handy collection of technical dope that makes it easy for you to do finer work, faster work...

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**DELTA MANUFACTURING DIVISION**

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